

Academic Plan of Study B.S. in Mathematics

Name:

ID:

Freshman Year					
I			II		
Course ID	Course Name	Grade	Course ID	Course Name	Grade
MATH 1241	Calculus I		MATH 1242	Calculus II	
WRDS 1103/1104	Writing and Inquiry in Academic Contexts		ITSC 1212	Introduction to Computer Science	
XXXX	Theme Course		XXXX	Theme Course	
XXXX	Natural Science		XXXX	Natural Science with Lab	
FORL 1101/1201	Foreign Language or elective		FORL 1101/1201	Foreign Language or elective	

Sophomore Year					
I			II		
Course ID	Course Name	Grade	Course ID	Course Name	Grade
MATH 2241	Calculus III		MATH 2242	Calculus IV	
MATH 2164	Matrices and Linear Algebra		MATH 2167	Intro to Mathematical Reasoning	
MATH 2688	Math Awareness Seminar		MATH 2171	Differential Equations	
XXXX	Theme Course		XXXX	Theme Course	
CTCM 2530	Critical Thinking and Communication		XXXX	Science if needed	
XXXX	Related work or Minor				

Junior Year					
I			II		
Course ID	Course Name	Grade	Course ID	Course Name	Grade
MATH 3141	Advanced Calculus of One Variable		MATH 3142	Advanced Calculus of Several Variables	
MATH 3163	Intro to Modern Algebra		MATH 3 or 4xxx	Upper-level Math elective	
MATH 3 or 4xxx	Upper-level Math elective		XXXX	Related work or Minor	
XXXX	Science		XXXX	Related work or Minor	
XXXX	Related work or Minor		XXXX	Elective or as needed	

Senior Year					
I			II		
Course ID	Course Name	Grade	Course ID	Course Name	Grade
MATH 3689/3790	Math Project Seminar (or Honors)		MATH 3 or 4xxx	Upper-level Math elective	
MATH 3 or 4xxx	Upper-level Math elective		XXXX	Related work or Minor	
XXXX	Related work or Minor		XXXX	Elective or as needed	
XXXX	Elective or as needed		XXXX	Elective or as needed	
XXXX	Elective or as needed				

Color Legend

XXXX

 Related work or Minor

XXXX

 General Education

MATH 3 or 4xxx	Upper-level Math elective
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One must be either MATH 3123, 3181, 4163, 4164, 4181, or OPRS 3111

Suggested Unrestricted Elective Courses:

- MATH 3116- Graph Theory
- MATH 3122/3123- Probability and Statistics I/II
- MATH 3146- Intro to Complex Analysis
- MATH 3166- Combinatorics
- MATH 3181- Fundamental Concepts of Geometry
- MATH 3171- Applied Mathematics
- MATH 4128- Risk Theory
- MATH 4161- Number Theory
- MATH 4163- Modern Algebra
- MATH 4164- Abstract Linear Algebra
- MATH 4181- Intro to Topology